Table 34. First area of the doctoral program in which recent doctoral recipients would have liked more training, by field of doctorate: 1999

Doctoral program area	All fields	Computer and mathematical sciences	Biological and agricultural sciences	Health sciences	Physical and related sciences	Social sciences	Psychology	Engineering
Total recent doctoral recipients (number)..........................	50,300	3,600	12,900	2,600	8,300	5,900	6,600	10,500
Additional training desired (number).............................	41,100	2,500	10,800	2,300	6,800	4,800	5,500	8,400
				Percent				
General problem solving skills.................................	4	S	S	S	S	S	S	S
Subject matter knowledge.......................................	8	S	S	S	S	S	S	S
Oral communication skills.......................................	9	S	S	S	S	S	S	S
Teaching skills..	15	S	16	S	S	23	19	S
Collaboration and teamwork skills.............................	7	S	S	S	S	S	S	S
Quantitative skills...	5	S	S	S	S	S	S	S
Writing skills..	7	S	S	S	S	S	S	S
Computer skills..	10	S	13	S	S	S	S	S
Research integrity/ethics.......................................	S	S	S	S	S	S	S	S
Establishing contacts with colleagues in field..........	16	S	13	S	19	S	S	17
Management or administrative skills.......................	17	S	17	S	15	S	20	25

KEY: S = Suppressed due to too few cases (fewer than 1,000 weighted cases).

NOTES: 'Recent doctoral recipients' are those who reported having received their doctorate between July of 1996 and 1998.

Numbers are rounded to nearest hundred. Percents are rounded to the whole number. Details may not add to total because of rounding.

Survey of Doctorate Recipients includes persons who had earned a research doctorate from an U.S. institution and resided in U.S. as of April 1999.

SOURCE: National Science Foundation/Division of Science Resources Statistics, 1999 Survey of Doctorate Recipients